

Product datasheet for **MC217929**

Trim23 (BC059017) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim23 (BC059017) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim23
Synonyms:	6330516O20Rik; AI450195; Arfd1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >BC059017
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCCCTCGCTGTAACAAGCCCGGAGCCGGAGTAGACAGTGGCGGCAGGCAGCCGGGGACGG
CTGTGGTGAAGGTTCTGGAGTGTGGGTTTGTGAAGATGTCTTCTTTGCAAGGAGATAAAGTTCTCTCG
CCTCCTCCTGTGGCCACACAGTCTGTGATGACTGTCTTACTCGCTTGCCTCTGCATGGAAGAGCAATA
CGTTGCCCATTTGATCGACAAGTAAACAGACCTAGGAGACTCAGGTGTATGGGTTTAAAAAGAAGTTG
CTTACTGGAGCTTTAGAACGTTTCAAAAATGGGCACATTGGTCAAGTATGGAGCTGCAGAAGAGGCCAT
TGGGACATCTGGAGAGAGCATCATTGCTGTGATGAAGATGAAGCTCACGTTGCATCTGTATATTGCACT
GTGTGTGCAACTCACTTGTGCTCAGACTGTTCTCAAGTACTCATTCTACAAAGACATTAGCAAAGCATA
GGCGTGTGCTCTAGCTGATAAACCTCATGAGAAAACCATGTGCTGTGAGCACCAGGTGCATGCCATTGA
GTTTGTGTTGCTTGAAGAAGGTTGTCAAAGTCCACTCATGTGCTGTGCTGCAAAGAATATGAAAAG
CACCAAGGTCACAAGCATTCACTACTGGAACAGAAAGCTAATCAGATCCGAGCATCAATTTAGACATGG
CTCACTGCATACGGACCTTCACTGAGGAAATCTCAGATTATCCAGAAAATTAGTTGGGATTGTTACGA
CATTGAAGGAGGAGAACAATAGTAGAAGATGGAATTGGAATGGCTCACACAGAACATGTCCAGGTA
GCAGAGAATGCCCGATCATGTGTCAGAGCTTATTTTCTGATTTACATGAAACTCTTGTGCTCAAGAAG
AAATGGCTCTAAGTGTGTTGATGCCCATGTTCCGAGAAAACTGATTTGGCTTAGGCAGCAACAAGAGGA
TATGACTATTCTTGTCCCAGGTTCAACAGCCTGTCTCCACTGTGAAAAACTCTGCAGCAGGATGAT
TGCAGAGTTGTCTTGGCAAAAACAAGAAATCACAAGATTACTAGAAACTGCAGAAACAGCAGCAGCAGT
TTACAGAGGTTGCAGATCATATTCAGTTGGATGCCAGTATTCCAGTCACTTTTACAAAGGACAATAGAGT
TCATATTGGACCCAAAATGGAAAATCCGAGTAGTCACATTAGGATTAGATGGTGTGGAATAACTACCATT
TTGTTCAAGTTAAAAACAAGATGAATTTATGCAACCTATCCAAACAATTGTTTTAATGTGAAAAGTGTGG
AATACAAAAATCTAAAATTCACCATTTGGGATGTGGGTGAAAAACACAAATTAAGACCATTGTGAAAACA
TTATTACCTCAATACACAAGCTGTTGATTTGTTGTTGATAGTAGTCATAGAGACAGAAATAGTGAAGCA
CACAGTGAAGTTCGAAAGTTGTTAACGGAAAAAGAACTCCGAGATGCCTTACTCTTGATTTTTGCTAACA
AACAGGATGTAGCTGGAGCACTTTCAGTAGAAGAAATCACTGAAGTCTCAGTCTCCATAAACTATGCTG
TGAAGGAGTTGGTATATTCAGGGCTGTGATGCTCGAAGTGAATGGGGCTCTACGAAGGTTGGACTGG
CTGTCCCAGCACTTGTGGCTGCTGGAGTGTGGATGTTGCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC059017

Insert Size: 1725 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC059017](#), [AAH59017](#)

RefSeq Size: 3385 bp

RefSeq ORF: 1724 bp

Locus ID: 81003

Cytogenetics: 13 D1

Gene Summary: Acts as an E3 ubiquitin-protein ligase. Plays an essential role in autophagy activation during viral infection. Mechanistically, activates TANK-binding kinase 1/TBK1 by facilitating its dimerization and ability to phosphorylate the selective autophagy receptor SQSTM1. In order to achieve this function, TRIM23 mediates 'Lys-27'-linked auto-ubiquitination of its ADP-ribosylation factor (ARF) domain to induce its GTPase activity and its recruitment to autophagosomes.[UniProtKB/Swiss-Prot Function]